

Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

THE

AMERICAN

MATHEMATICAL MONTHLY

FOUNDED BY BENJAMIN F. FINKEL

A JOURNAL FOR TEACHERS OF MATHEMATICS IN THE COLLEGIATE AND ADVANCED SECONDARY FIELDS

PUBLISHED WITH THE COÖPERATION OF

THE UNIVERSITIES OF CHICAGO, ILLINOIS, INDIANA, IOWA,
KANSAS, MICHIGAN, MINNESOTA, MISSOURI, NEBRASKA,
NORTHWESTERN UNIVERSITY,
COLORADO COLLEGE AND OBERLIN COLLEGE

CONTROLLED AND EDITED BY

C. H. ASHTON
R. P. BAKER
W. C. BRENKE
W. H. BUSSEY

W. DEW. CAIRNS FLORIAN CAJORI

R. D. CARMICHAEL

H. E. SLAUGHT

D. R. CURTISS

B. F. FINKEL

E. R. HEDRICK

L. C. KARPINSKI

G. A. MILLER

EDITORIAL COMMITTEE: H. E. SLAUGHT, G. A. MILLER, E. R. HEDRICK

EXECUTIVE COMMITTEE: H. E. SLAUGHT, W. C. BRENKE, R. D. CARMICHAEL

OFFICIAL CORRESPONDENCE should be addressed to the Managing Editor,

H. E. SLAUGHT, 5548 Monroe Avenue, Chicago, Ill.

PUBLISHED MONTHLY EXCEPT IN JULY AND AUGUST

LANCASTER, PA., AND CHICAGO

Entered at the Post Office at Lancaster, Pa., as Second Class Matter

CONTENTS

Incentives to Mathematical ActivityBy H. E. SLAUGHT	169–173
History of the Exponential and Logarithmic Concepts.	
By Florian Cajori	173–182
A Simple Formula for the Angle between two Planes.	
By E. V. Huntington	182–185
A Direct Definition of Logarithmic DerivativeBy E. R. HEDRICK	185–187
Two Geometric Applications of the Method of Least Squares.	
By J. L. Coolidge	187–190
Computation Formula for the Probability of an Event Happening at	
least c times in n TrialsBy E. C. Molina	190–193
BOOK REVIEWS. W. H. BUSSEY, Chairman	193–195
PROBLEMS AND QUESTIONS. B. F. FINKEL, Chairman	195–200
NOTES AND NEWS. FLORIAN CAJORI, Chairman	200-204

Wentworth=Smith's Academic Algebra

This book is designed to cover all the topics demanded for entrance to colleges and all the work required for the boy or girl who is preparing directly for any trade or industry. It is in every sense a new work and is constructed on entirely modern lines. The problems are modern, untechnical and interesting. The book is unique in its skillful introduction of oral algebra along with all written exercises.

Wentworth=Smith's Geometry

Plane Geometry, \$0.80

Solid Geometry, \$0.75

Plane and Solid Geometry, \$1.30

The Wentworth-Smith Geometry gives in perfect form the historic group of fundamental theorems and supplies an unusually large amount of carefully graded suggestive work for original demonstration. It satisfies all requirements for a modern high school course in geometry. There are already 2650 schools using this textbook.

GINN AND COMPANY Publishers

Boston New York Chicago London Atlanta Dalías Columbus San Francisco